

AMENDMENT TO THE CLAIMS

10. (Previously Amended) A purified ManA polypeptide having a sequence of SEQ ID NO. 1.

11. (Previously amended) The purified ManA polypeptide of claim 10 further defined as having its encoding nucleotide sequence the same as SEQ ID NO: 2.

12. (previously cancelled)

13. (previously cancelled)

13-25. (previously cancelled)

26. (Presently amended) ~~An isolated~~ A purified ManA polypeptide molecule capable of degrading mannose comprising:

~~a) a sequence of SEQ ID NO: 3; SEQ ID NO:4 and SEQ ID NO:5 in that order, or,~~

~~b) a sequence of SEQ ID NO:1; or~~

~~c) an amino acid sequence having at least 70% sequence identity with the amino acid sequence of a) or b)).~~

27. (Cancelled)

28. (Cancelled)

29. (Cancelled)

30. (Cancelled)

31. (Cancelled)

32. (Cancelled)

33. (Cancelled)

34. (Cancelled)

35. (Cancelled)

35-42. (previously cancelled)

43. (Cancelled)

44. (original) A composition comprising the polypeptide molecule of claim 26 and a carrier.

45-62. (previously cancelled)

63. (Presently amended) A method for reducing hemicellulose in a starting material, the method comprising:

administering to the starting material an effective amount of polypeptide molecule of claim 26 ~~or a fusion protein of claim 28.~~

64. (Cancelled)

65. (Cancelled)

66. (Cancelled)

67. (Cancelled)

68. (Cancelled)

69. (Cancelled)

70. (Cancelled)

71. (Cancelled)

72. (Cancelled)

73. (Presently Amended) An industrial detergent mixture suitable for degrading hemicellulose, said mixture comprising ~~the ManA of a composition comprising~~ a purified ManA polypeptide having a sequence of SEQ ID NO. 1.

74. (New) The industrial detergent comprising the purified ManA polypeptide of claim 73 further defined as having its encoding nucleotide sequence the same as SEQ ID NO:2.

75. (New) The purified ManA polypeptide molecule capable of degrading mannose of claim 26, further defined as having its encoding nucleotide sequence the same as SEQ ID NO: 2.